

Safety Data Sheet

According to Hazard Classification and Communication System
for Hazardous Substances (B.E. 2555)



Duck Bathroom Cleaner

Version 1.1

Print Date 10/21/2020

Revision Date 06/12/2018

SDS Number 350000033327
GEN_SOF Number 58155

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : Duck Bathroom Cleaner

Recommended use : Hard Surface Cleaner

Telephone : +6622690888

Manufacturer : NMT Limited 60/158 Moo 19, Soi 17, Navanakorn Industrial Estate, Klongnueng, Klongluang, Pathumthani 12120

Distributor : S.C. Johnson & Son Ltd
689 Sukhumvit Road, North Klongton
Bhiraj Tower at EmQuartier, 37th floor,
Vadhana District, Bangkok 10110

Emergency telephone number : Call Center number: +662-269-0899

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System (GHS) Classification

This product does not contain hazardous chemicals at or above a reportable level as defined by Notification of Ministry of Industry Re: Hazard Classification and Communication System for Hazardous Substances (B.E. 2555)

Labelling

Precautionary statements

Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
Diisopropanolamine	110-97-4	1.00 - 5.00
Lauryl dimethyl amine oxide	1643-20-5	0.10 - 0.50

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The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

For additional information on product ingredients, see www.whatsinsidescjohnson.com.

4. FIRST AID MEASURES

- Eye contact** : No special requirements
- Skin contact** : No special requirements
- Inhalation** : No special requirements.
- Ingestion** : No special requirements

5. FIREFIGHTING MEASURES

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting** : Container may melt and leak in heat of fire.
- Further information** : Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Wash thoroughly after handling.
- Environmental precautions** : Outside of normal use, avoid release to the environment.
- Methods and materials for containment and cleaning up** : Dike large spills.
Clean residue from spill site.

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7. HANDLING AND STORAGE

Handling

Precautions for safe handling : Avoid contact with skin, eyes and clothing.
For personal protection see section 8.
KEEP OUT OF REACH OF CHILDREN AND PETS.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

Requirements for storage areas and containers : Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

Personal protective equipment

Respiratory protection : No special requirements.

Hand protection : No special requirements.

Eye protection : No special requirements.

Skin and body protection : No special requirements.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

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Color	: colourless
Odor	: Lavender/Citrus/Floral
Odour Threshold	: Test not applicable for this product type
pH	: 10.8
Melting point/freezing point	: Test not applicable for this product type
Initial boiling point and boiling range	: Test not applicable for this product type
Flash point	: does not flash
Evaporation rate	: Test not applicable for this product type
Flammability (solid, gas)	: The product is not flammable.
Upper/lower flammability or explosive limits	: Test not applicable for this product type
Vapour pressure	: Test not applicable for this product type
Vapour density	: Test not applicable for this product type
Relative density	: 0.998 g/cm ³
Solubility(ies)	: completely soluble
Partition coefficient: n-octanol/water	: Test not applicable for this product type

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Auto-ignition temperature	: Test not applicable for this product type	
Decomposition temperature	: Test not applicable for this product type	
Viscosity, dynamic	: similar to water	
Viscosity, kinematic	: similar to water	
Oxidizing properties	: Test not applicable for this product type	
Volatile Organic Compounds Total VOC (wt. %)*	: 0 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations	
Other information	: None identified	:

10. STABILITY AND REACTIVITY

Possibility of hazardous reactions	: If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.
Conditions to avoid	: Direct sources of heat.
Incompatible materials	: Do not mix with bleach or any other household cleaners. Strong bases
Hazardous decomposition products	: Thermal decomposition can lead to release of irritating gases and vapours.

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11. TOXICOLOGICAL INFORMATION

- Emergency Overview** : This product does not contain hazardous chemicals at or above a reportable level as defined by Notification of Ministry of Industry Re: Hazard Classification and Communication System for Hazardous Substances (B.E. 2555)
- Acute oral toxicity** : LD50 > 5000 mg/kg
- Acute inhalation toxicity** : LC50 > 5.1 mg/L
- Acute dermal toxicity** : LD50 > 5000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin corrosion/irritation	No classification proposed	-
Serious eye damage/eye irritation	No classification proposed	-
Skin sensitisation	No classification proposed	-
Respiratory sensitisation	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ	No classification proposed	-

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toxicity - single exposure		
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

Aggravated Medical Condition : None known.

12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

Toxicity

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Toxicity to fish

Components	End point	Species	Value	Exposure time
Diisopropanolamine	LC50	Danio rerio (zebra fish)	1,466 mg/l	96 h
Lauryl dimethyl amine oxide	semi-static test LC50	Danio rerio (zebra fish)	31.8 mg/l	96 h
	flow-through test NOEC Read-across (Analogy)	Pimephales promelas (fathead minnow)	0.42 mg/l	302 d

Toxicity to aquatic invertebrates

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Components	End point	Species	Value	Exposure time
Diisopropanolamine	EC50	Daphnia magna Straus	277.7 mg/l	48 h
Lauryl dimethyl amine oxide	static test EC50	Daphnia magna (Water flea)	3.9 mg/l	48 h
	flow-through test NOEC Read-across (Analogy) OECD Guideline 211 (Daphnia magna Reproduction Test)	Daphnia magna (Water flea)	0.7 mg/l	21 d

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Diisopropanolamine	EC50	Desmodesmus subspicatus (green algae)	339 mg/l	72 h
Lauryl dimethyl amine oxide	static test EC50	Pseudokirchneriella subcapitata (green algae)	0.2 mg/l	72 h

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
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Diisopropanolamine	94 %	28 d	Readily biodegradable.
Lauryl dimethyl amine oxide	96 %	19 d	

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Diisopropanolamine	3.16 estimated	-0.79
Lauryl dimethyl amine oxide	> 87	< 2.7

Mobility

Component	End point	Value
Diisopropanolamine	Koc	43 estimated
Lauryl dimethyl amine oxide	Koc	> 2113 Calculated

PBT and vPvB assessment

Component	Results
Diisopropanolamine	Not fulfilling PBT and vPvB criteria
Lauryl dimethyl amine oxide	Not fulfilling PBT and vPvB criteria

Other adverse effects : None known.

13. DISPOSAL CONSIDERATIONS

Consumer may discard empty container in trash, or recycle where facilities exist.

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14. TRANSPORT INFORMATION

Land transport

Not classified as dangerous in the meaning of transport regulations.

Sea transport

Not classified as dangerous in the meaning of transport regulations.

Air transport

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Notification status

U.S. Toxic Substances Control Act : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Notification status

Canada Environmental Protection Act : All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

16. OTHER INFORMATION

Safety Data Sheets (SDS) are intended to provide workers and emergency personnel with the proper procedures for handling or working with products. The information is intended to address handling of our products in occupational environments in accordance with country and region specific regulatory requirements under the Global Harmonization System of Classification and Labeling of chemicals and mixtures. These SDSs are not applicable to consumer use of our products.

Further information

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Prepared by	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
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